

Claims

- 0980615-011802
- 1 Rubber mixtures containing one or more hydroxyl-group-containing rubbers
built up from diolefins, characterised in that the hydroxyl group-containing
5 rubber(s) contain in the range 0.1 to 2 wt.% of bonded primary hydroxyl
groups and have a glass transition temperature between -120 and -50°C.
 2. Rubber mixtures according to Claim 1, characterised in that 1,3-butadiene
and/or isoprene are used as diolefins.
 - 10 3. Rubber mixtures according to Claim 1, characterised in that the cis-1,4 con-
tent of the hydroxyl group-containing rubber, which is polymerised in solu-
tion, is greater than 30 %.
 - 15 4. Rubber mixtures according to Claim 1, characterised in that they contain, in
addition to the hydroxyl group-containing rubber with a glass transition tem-
perature between -120° and -50°C, additional rubbers chosen from the group
comprising natural rubber, polyisoprene and styrene/butadiene copolymers
with styrene contents between 10 and 50 wt.%, in an amount of 0,5 to 95
20 wt.%, preferably 40 to 90 wt.%, with respect to the entire amount of rubber in
the rubber mixture.
 - 25 5. A process for preparing rubber mixtures according to Claim 1, characterised
in that one or more fillers are added to the solution of hydroxyl group-con-
taining rubber(s) in amounts in the range 0.5 to 500 parts by wt. with respect
to 100 parts by wt. of rubber, and optionally further auxiliary substances for
processing and/or further working-up and/or stabilisation purposes are added
and then the solvent is removed.
 - 30 6. A process according to Claim 5, characterised in that the solvent is removed
with the assistance of steam.

7. Use of rubber mixtures according to Claim 1 for producing moulded items of all types, preferably for producing tires, in particular tire treads and tire side-walls.

5

Add A7

09980615.011802